

FIG. 1

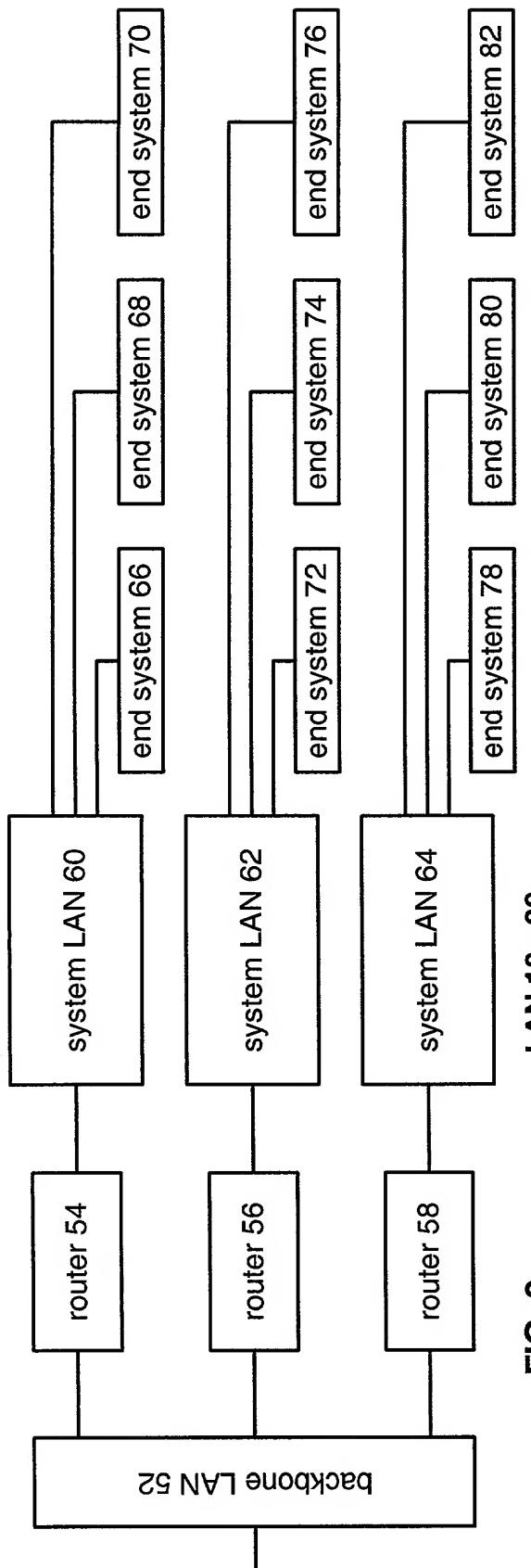


FIG. 2 LAN 18 - 30

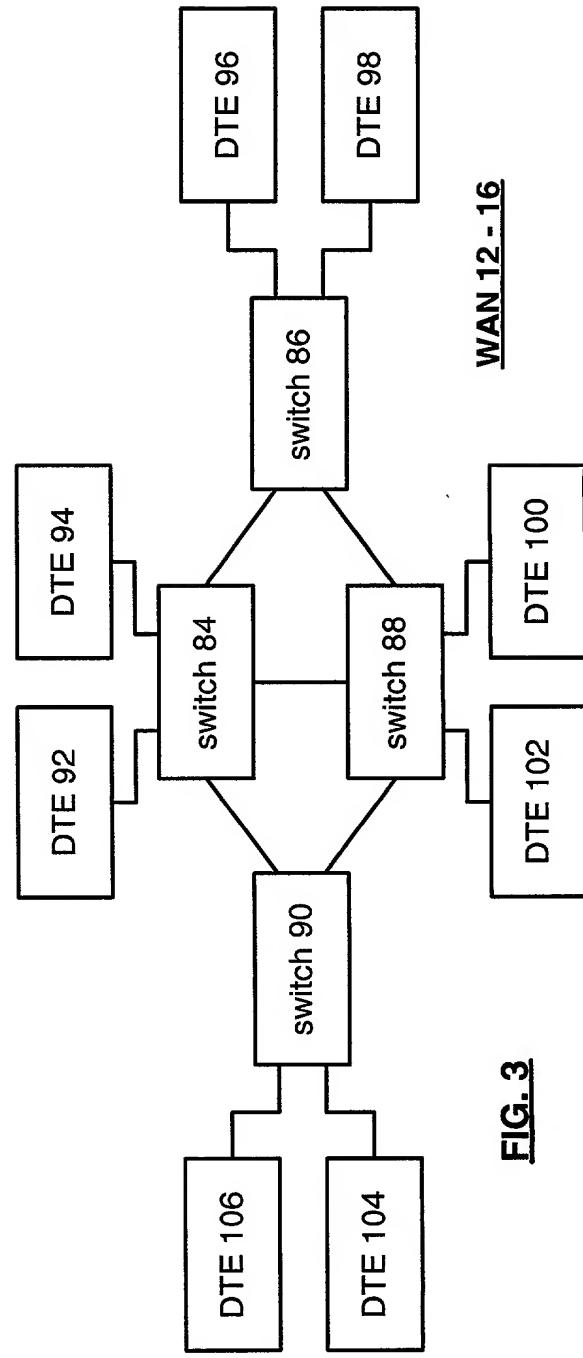


FIG. 3 WAN 12 - 16

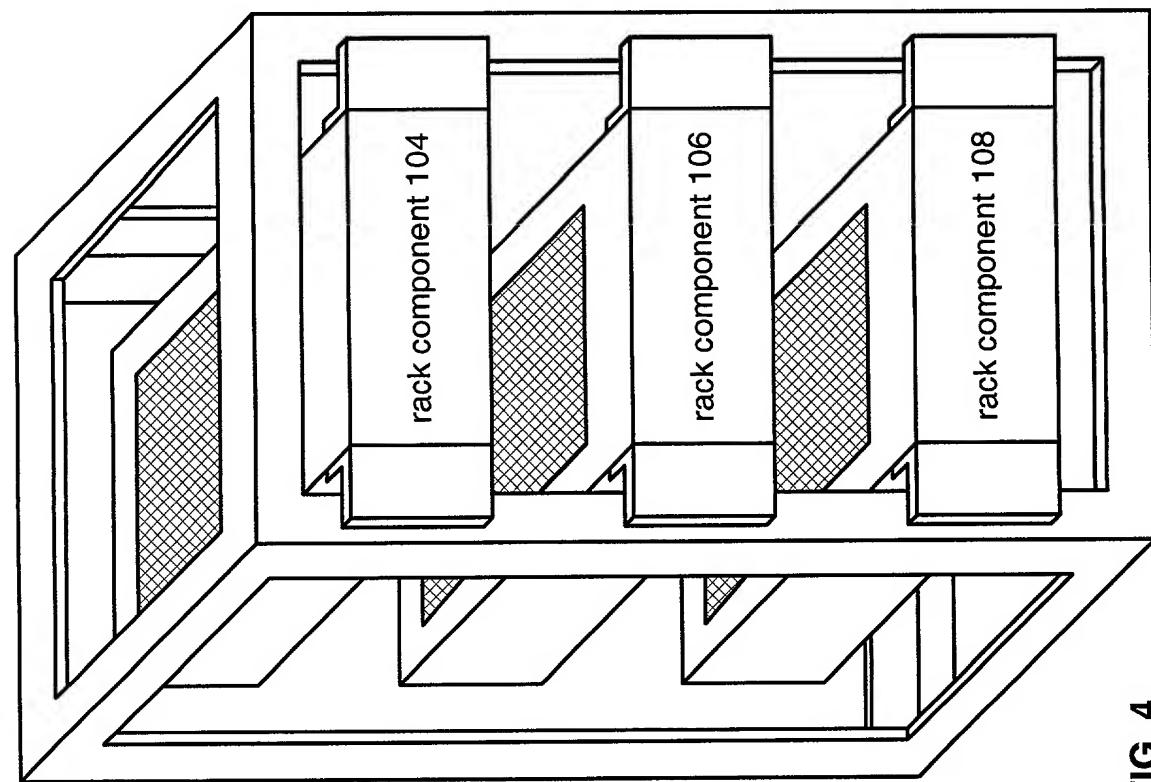
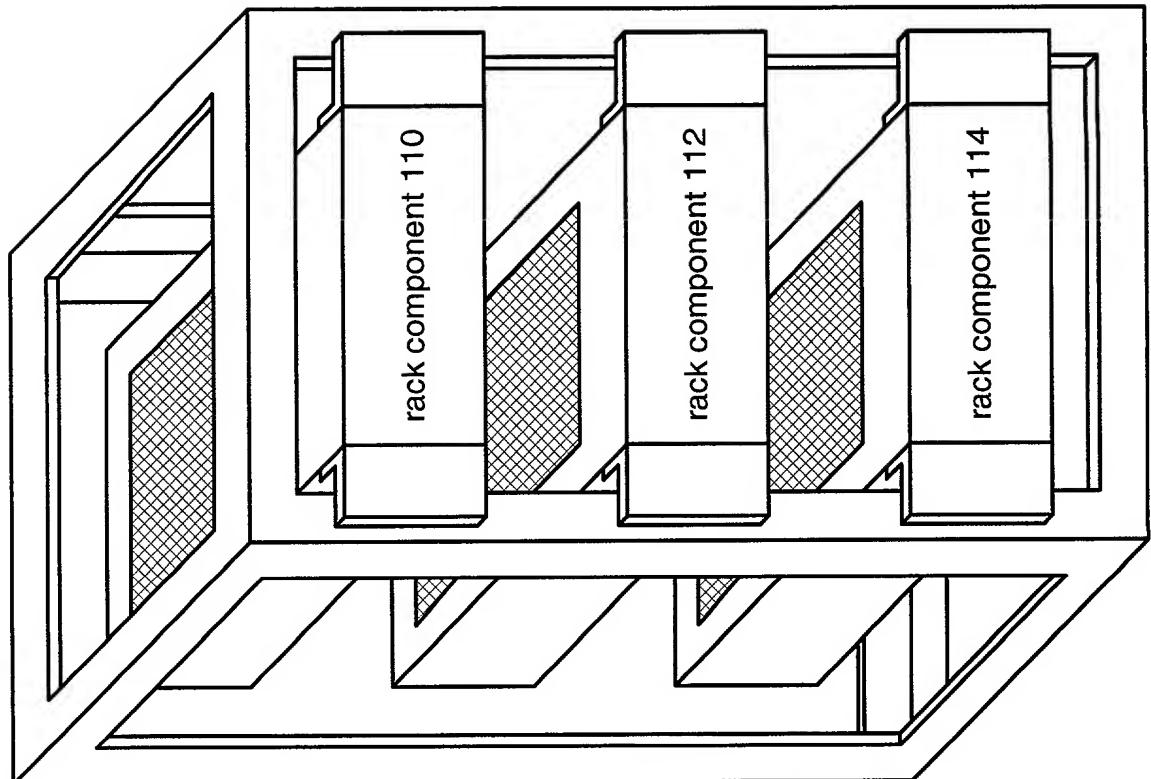
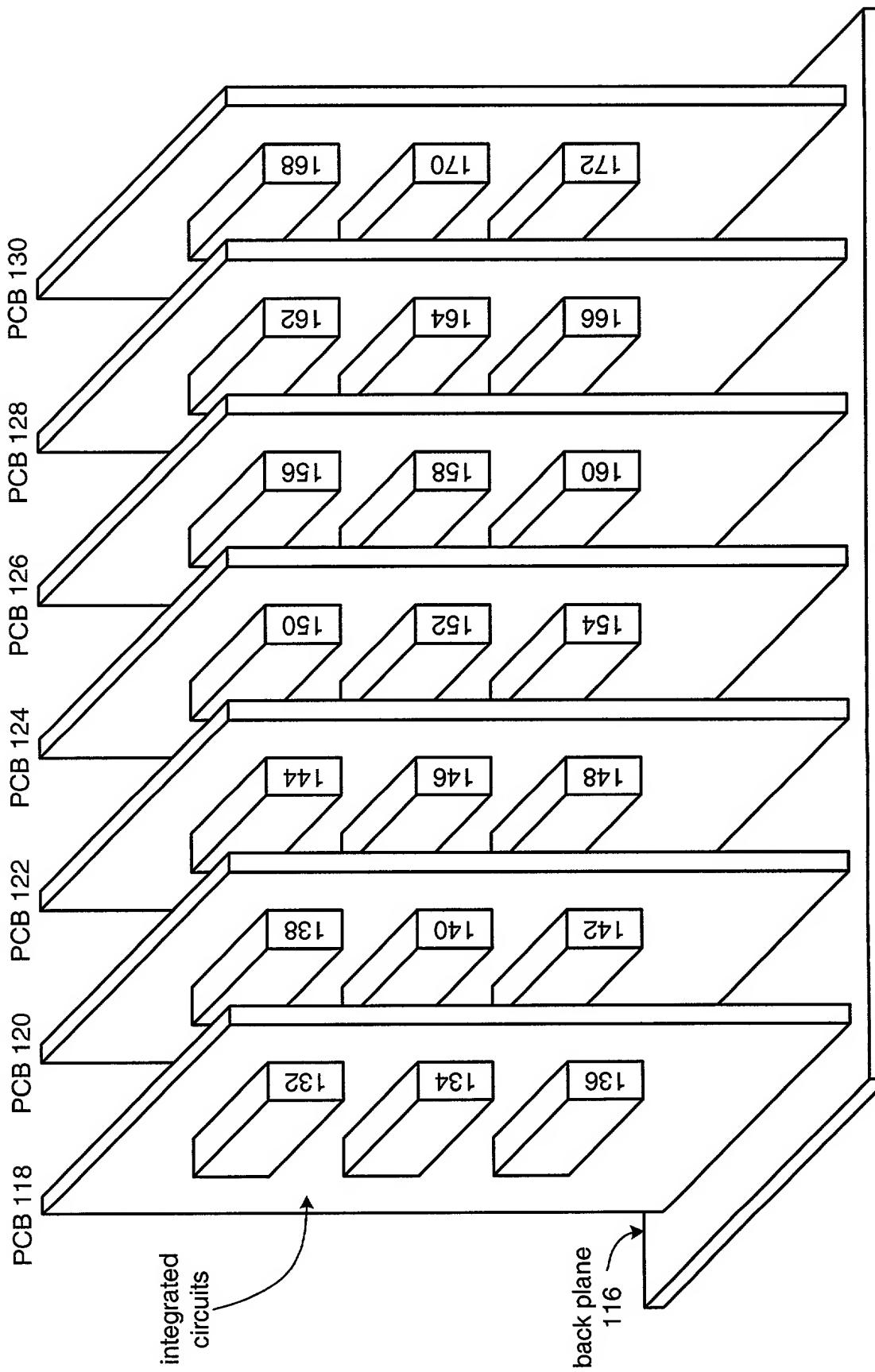
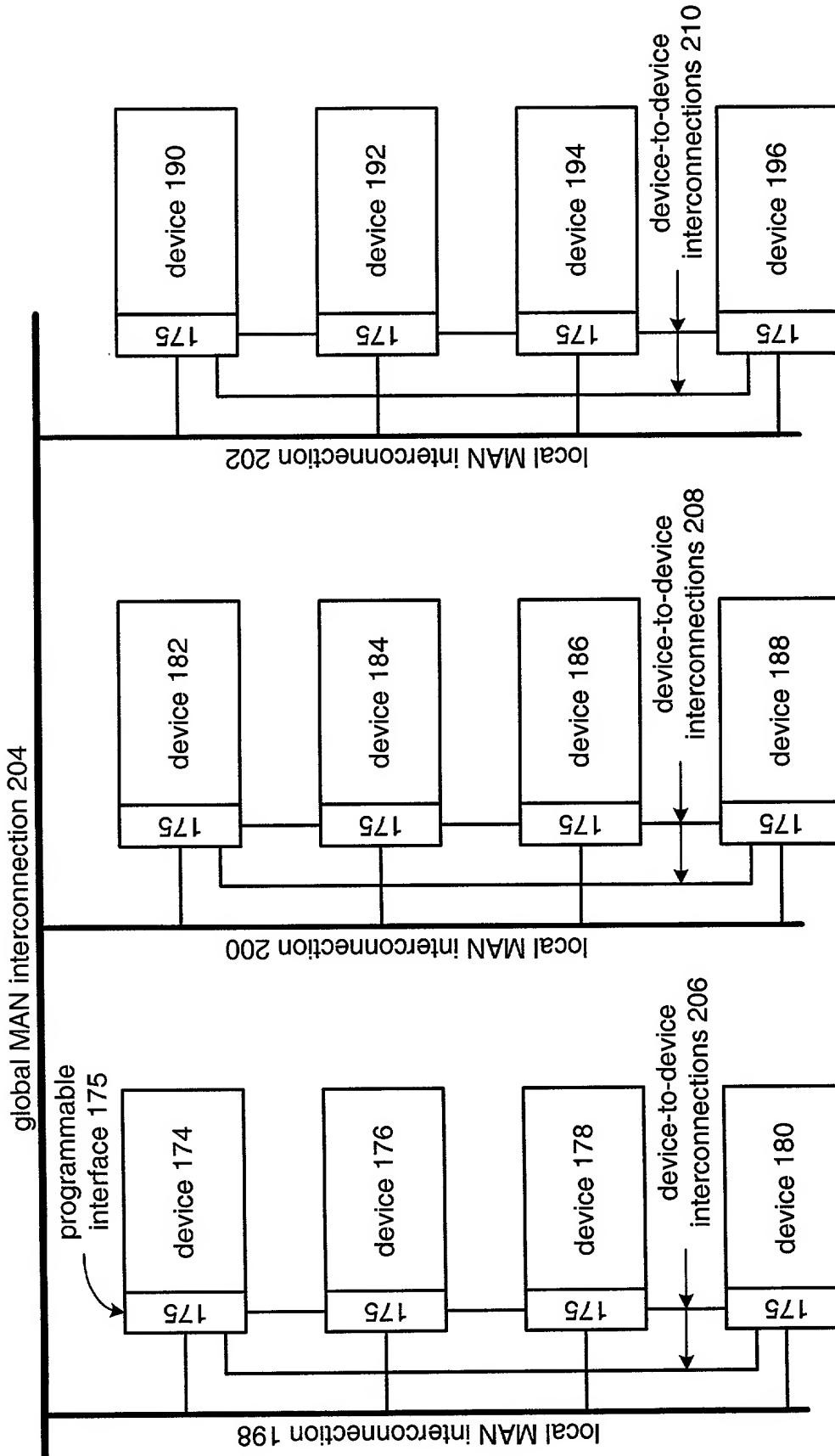


FIG. 4

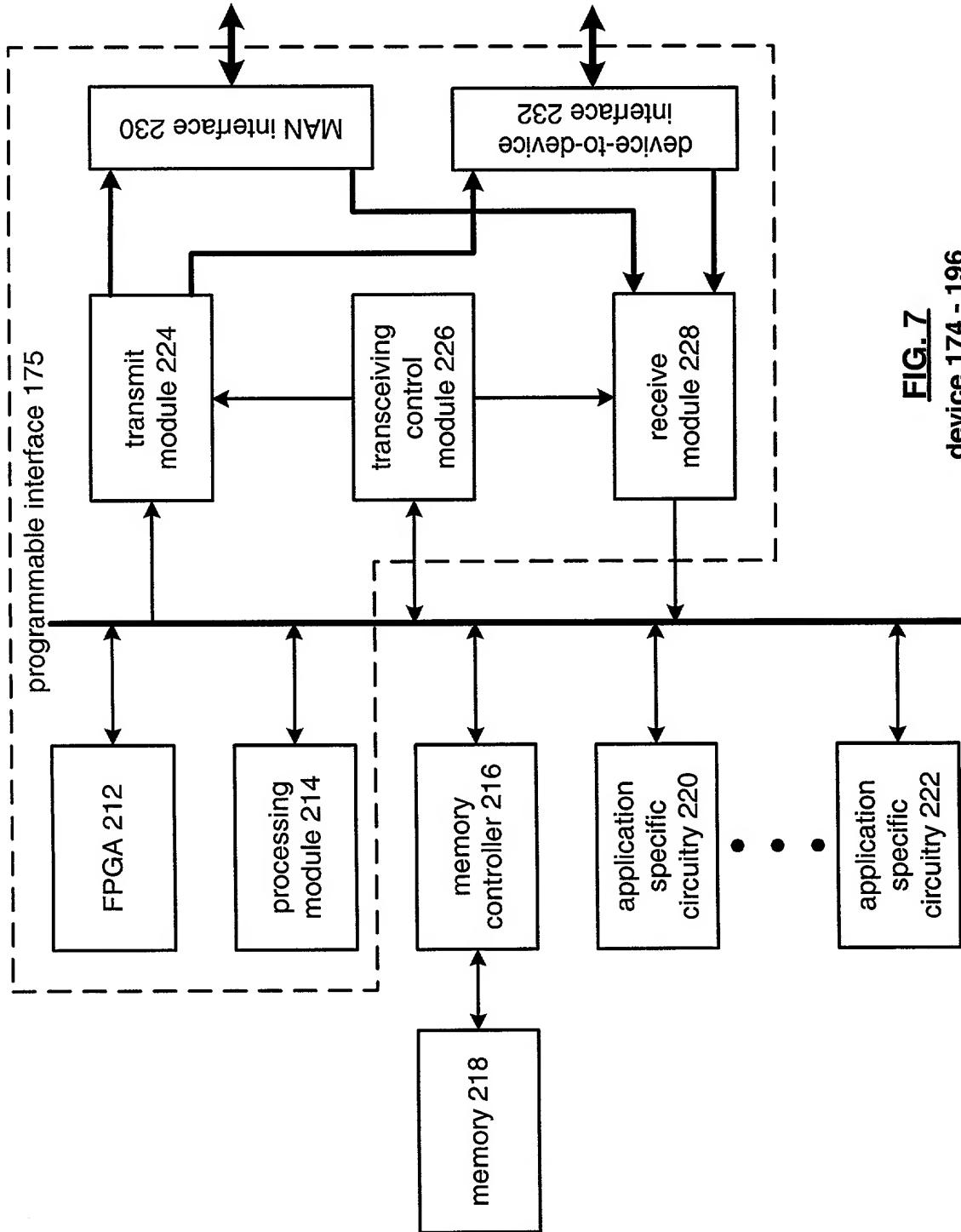


rack component 104 - 114

FIG. 5

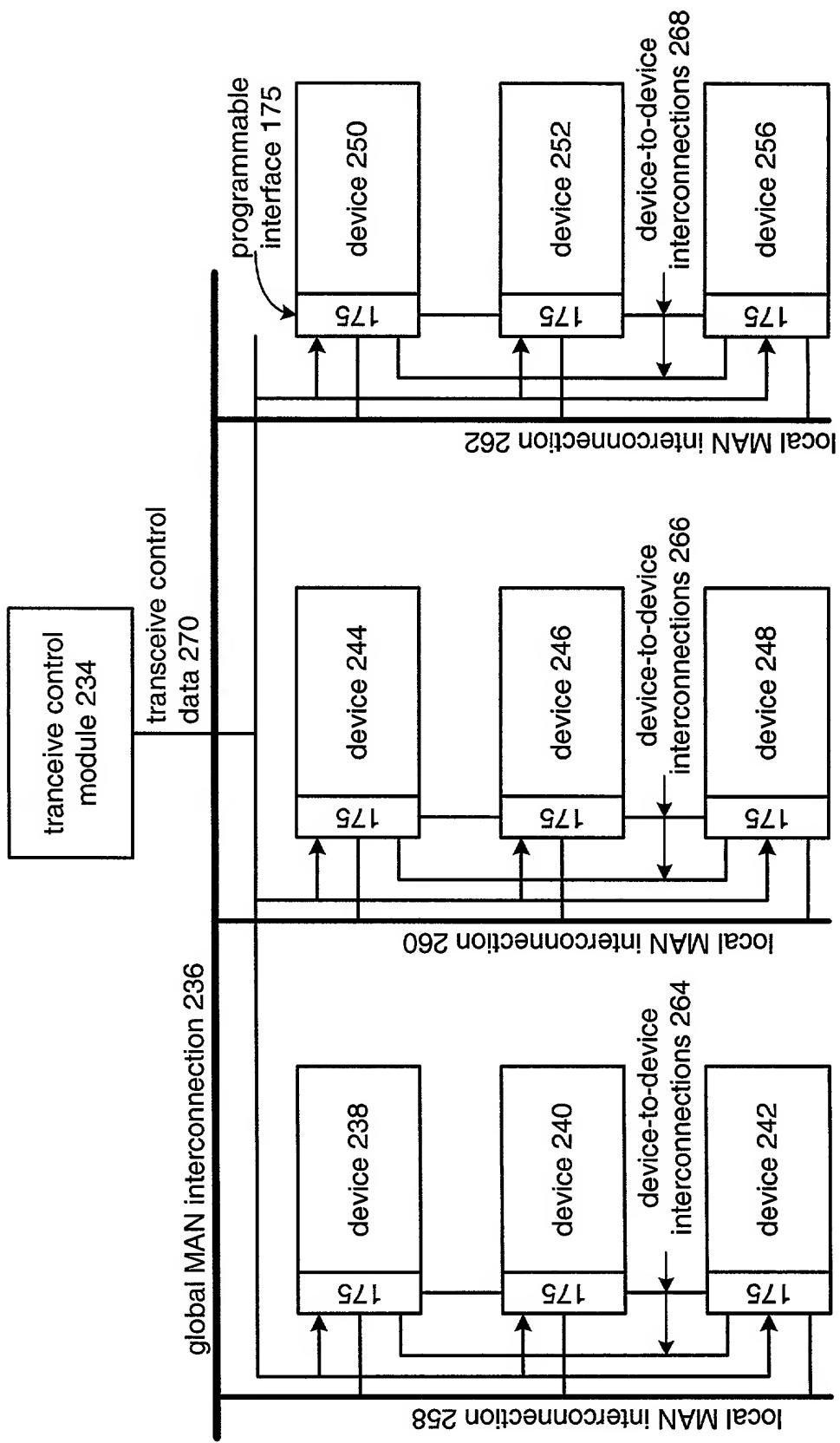


**FIG. 6**



**FIG. 7**  
**device 174 - 196**

**FIG. 8**



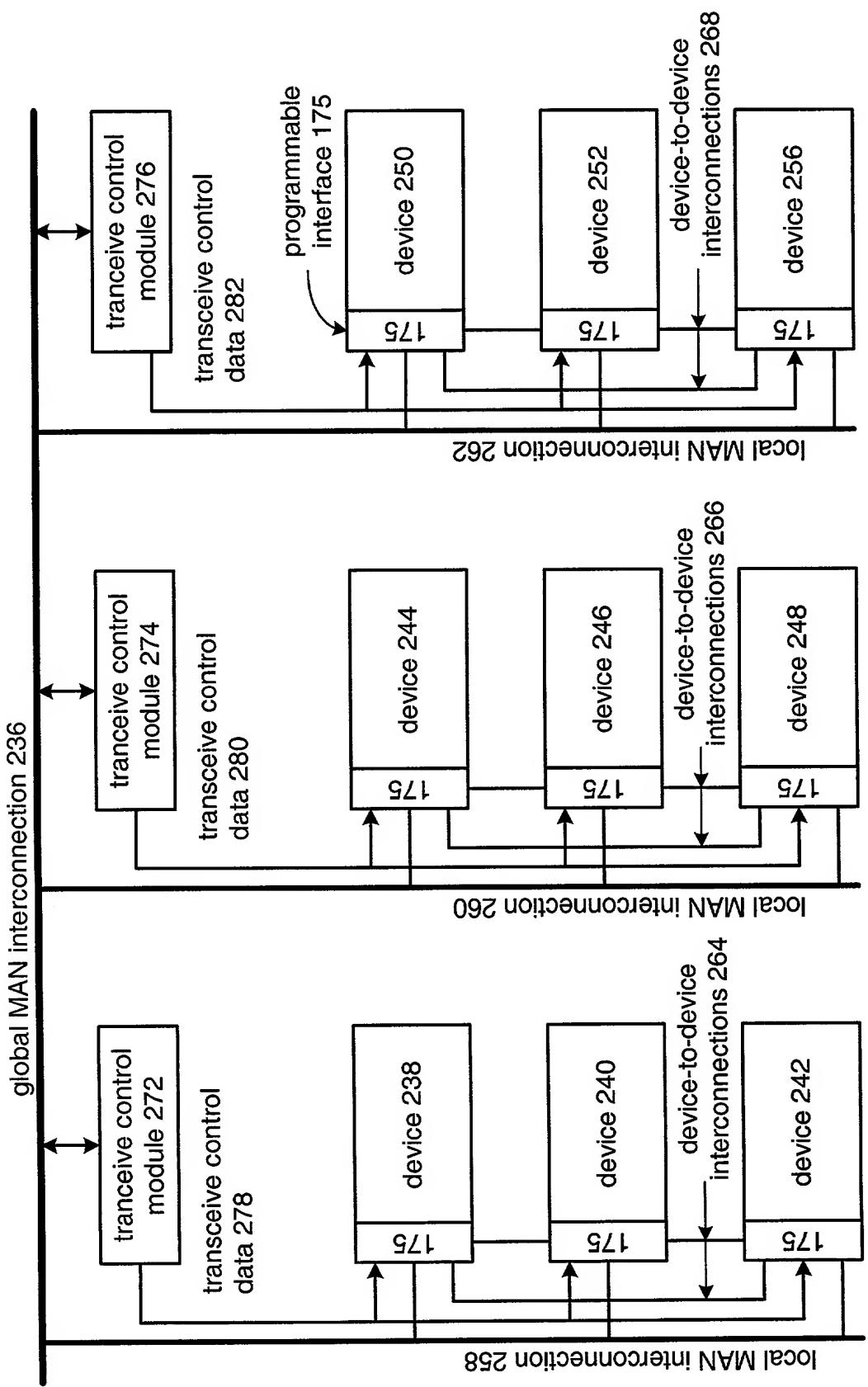
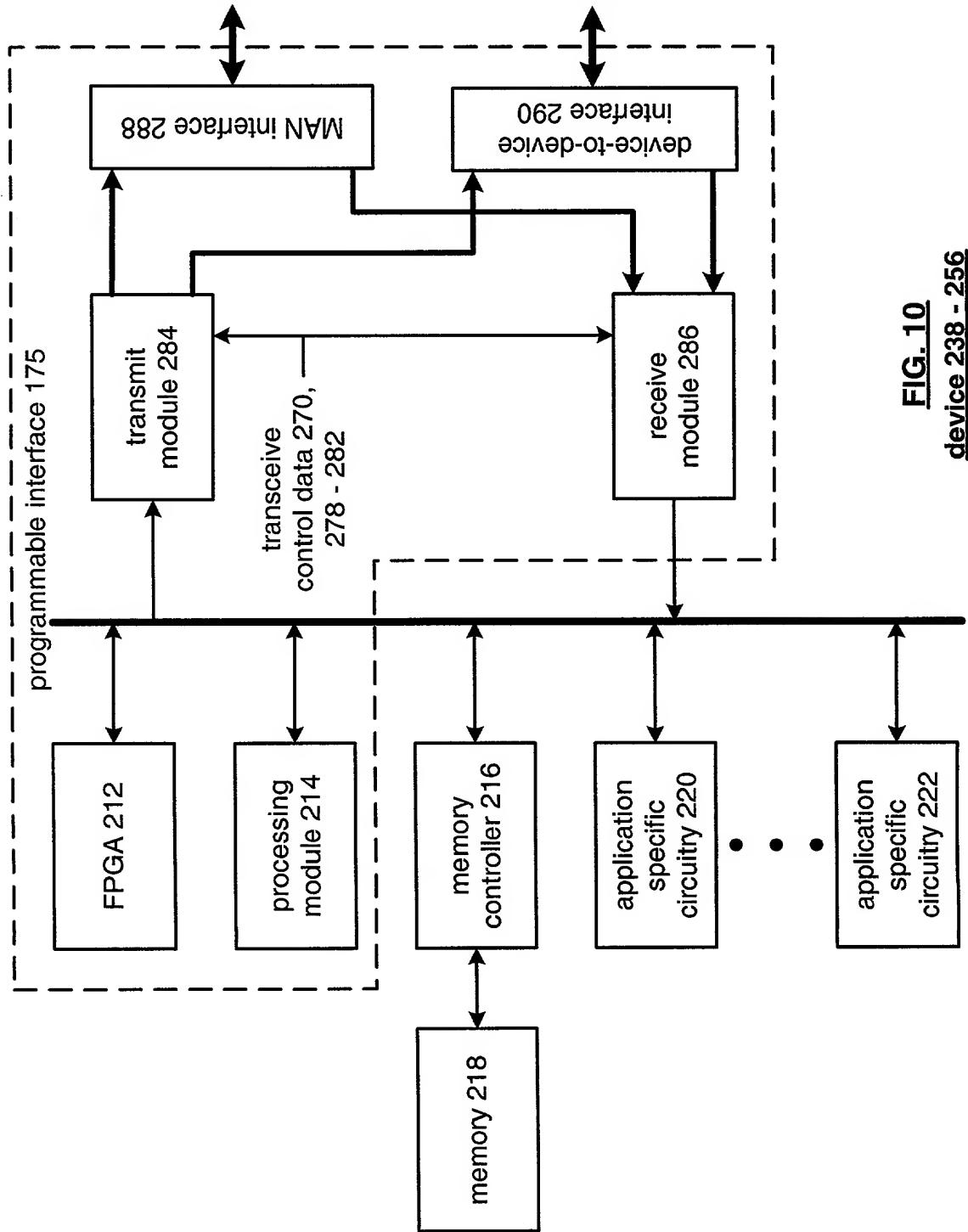
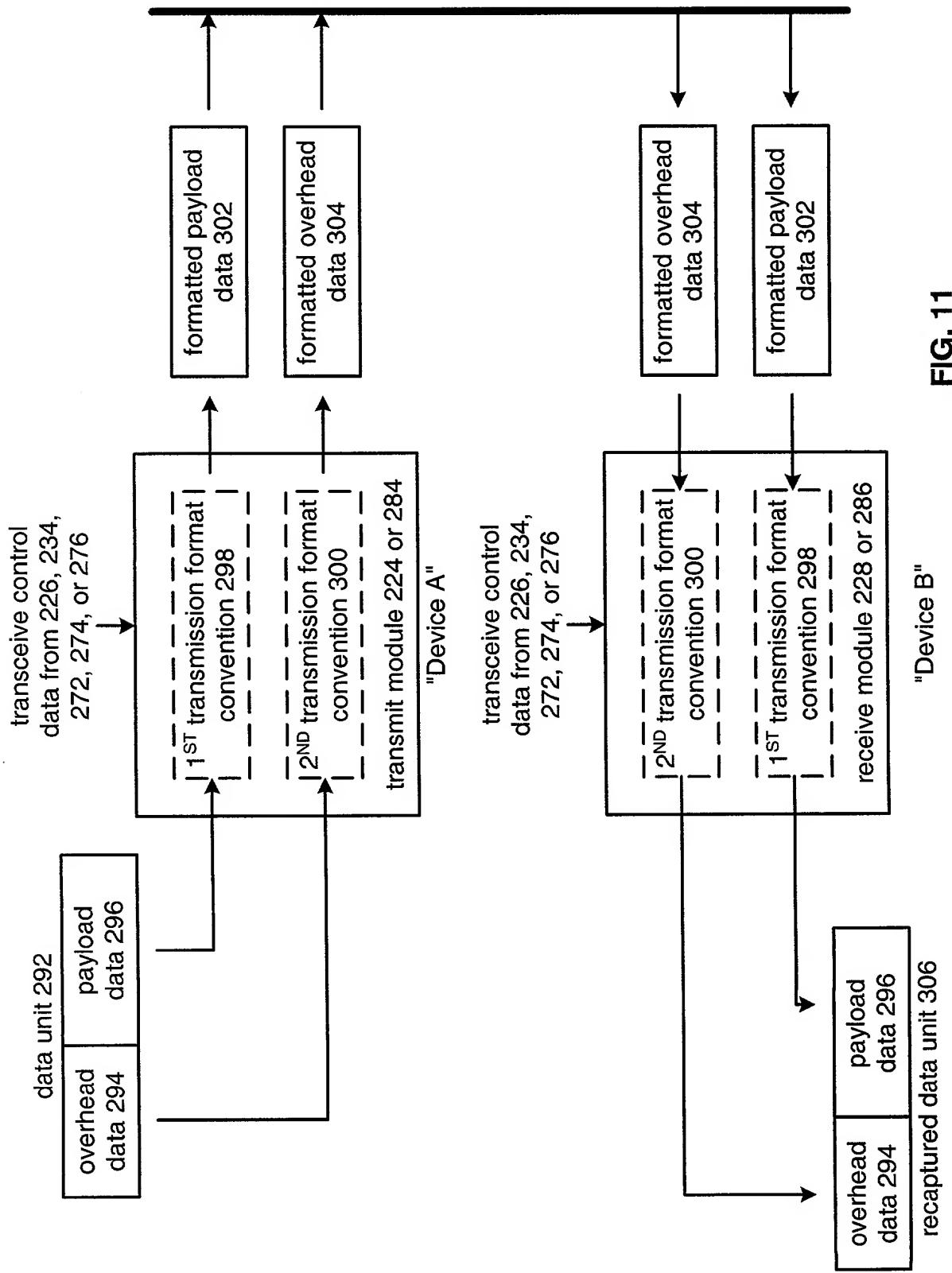


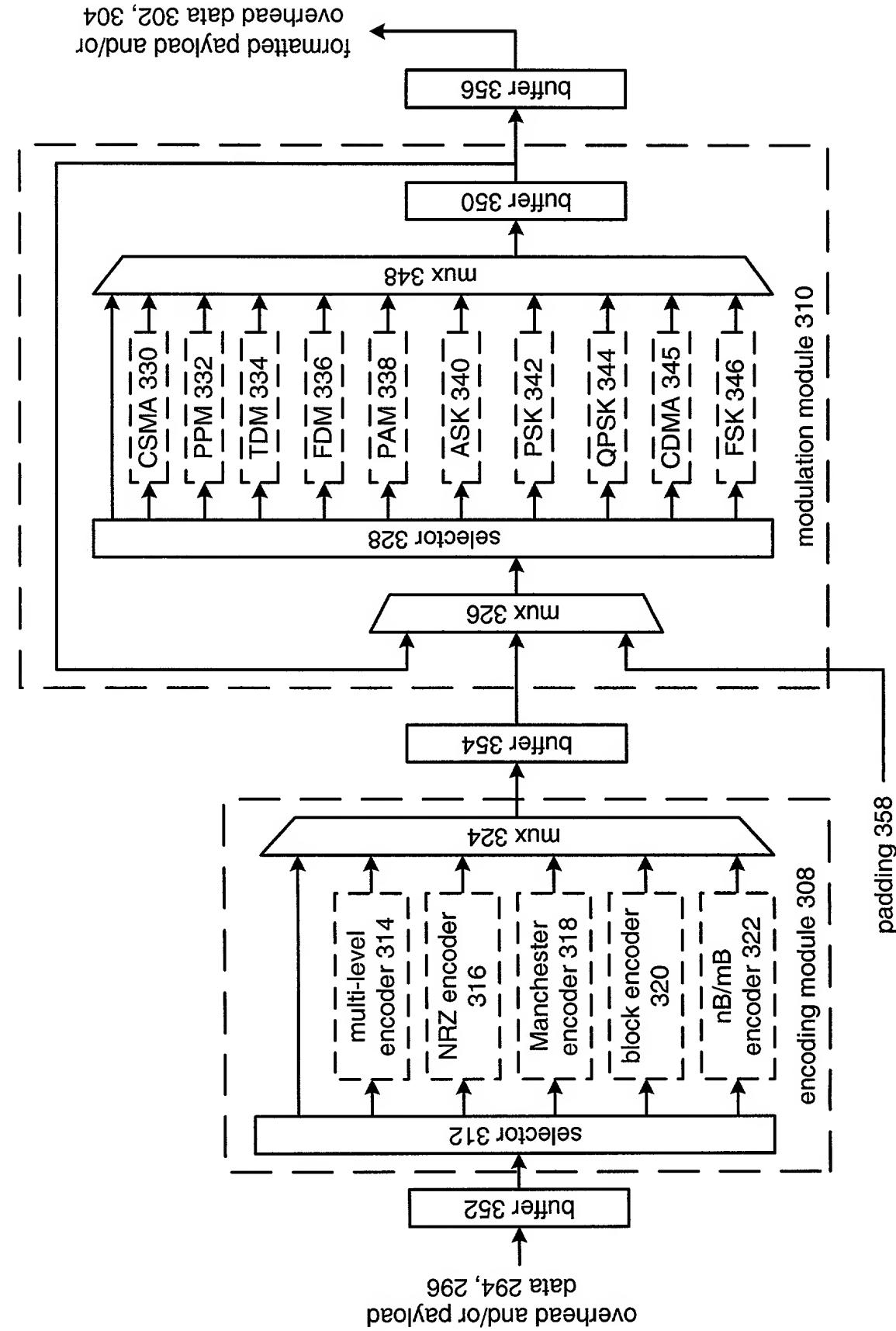
FIG. 9

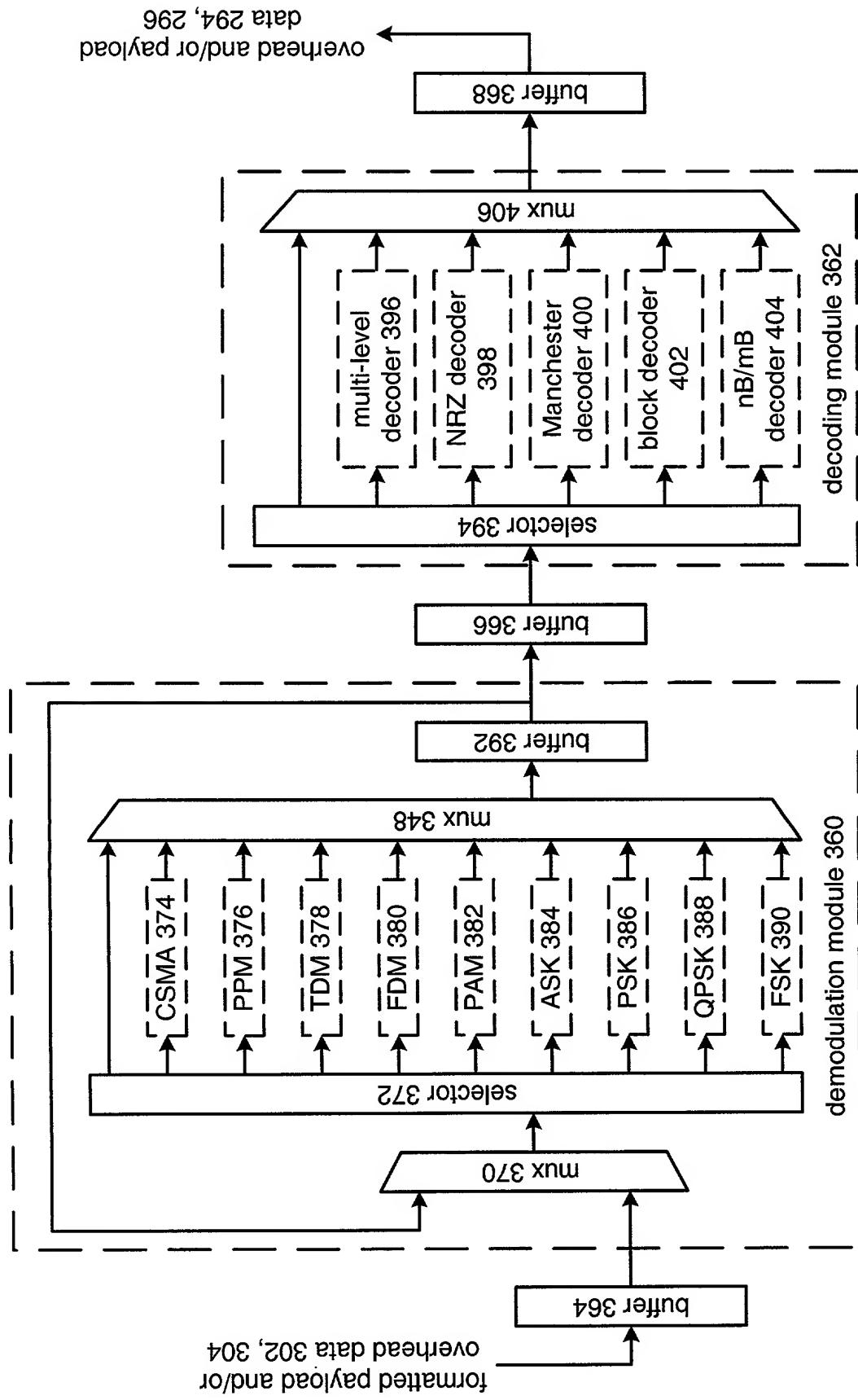
interconnections 264 - 268 interconnections 236, 258 - 262  
local or global MAN  
device-to-device



**FIG. 10**  
**device 238 - 256**

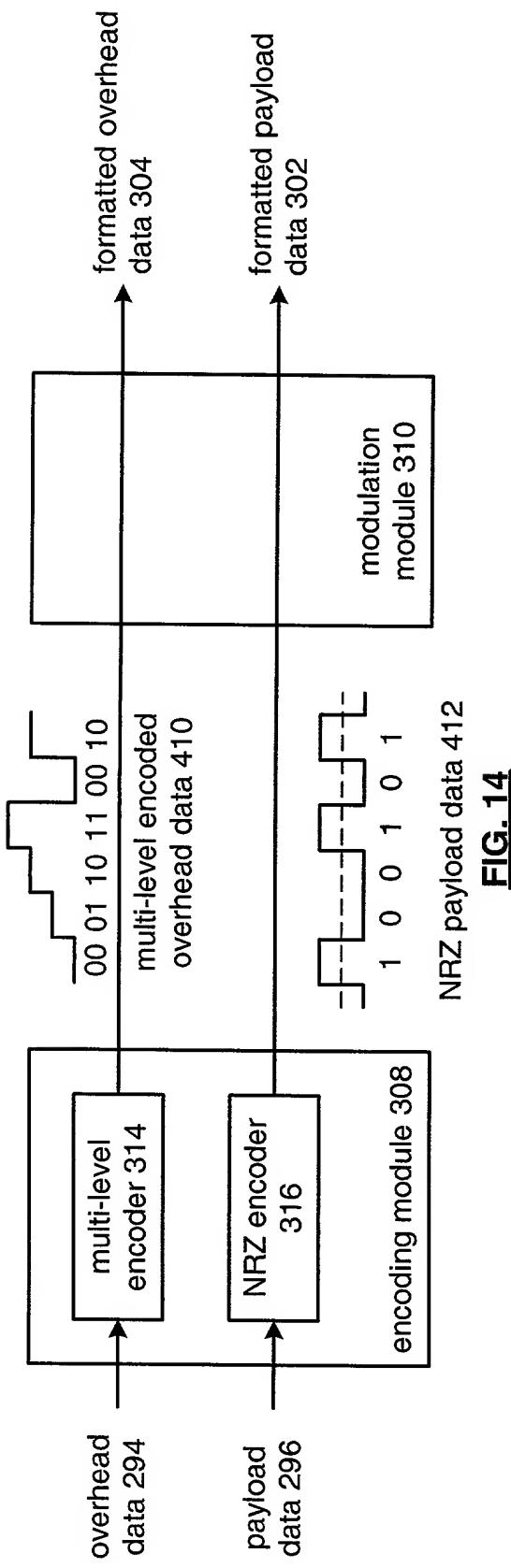
**FIG. 11**



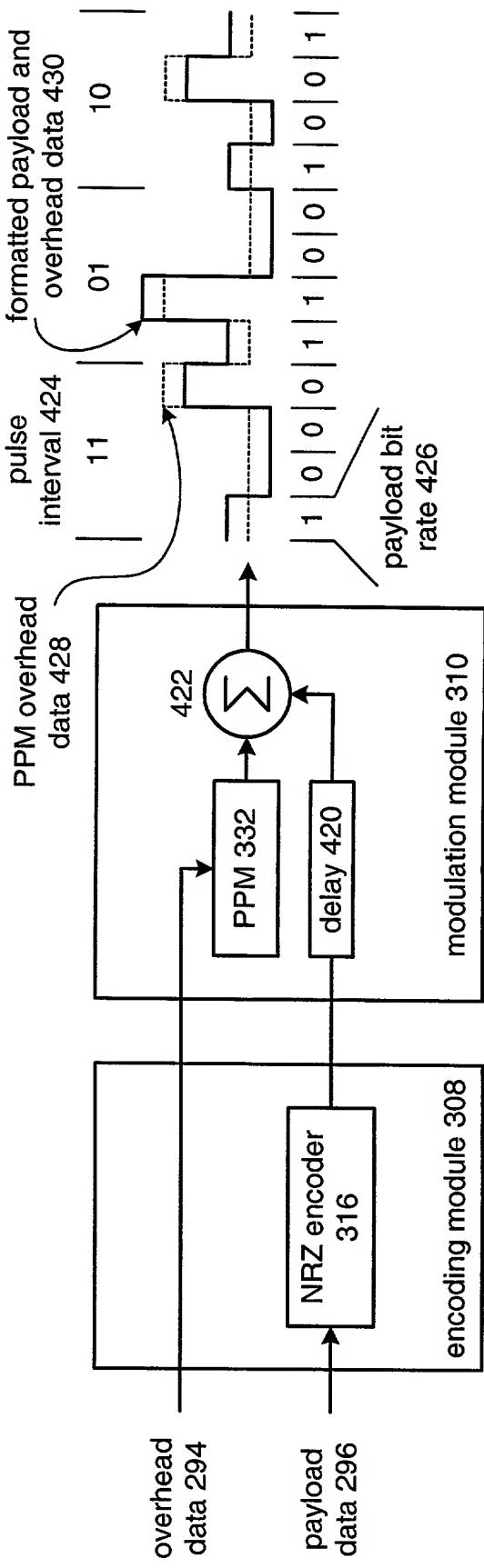


**FIG. 13**

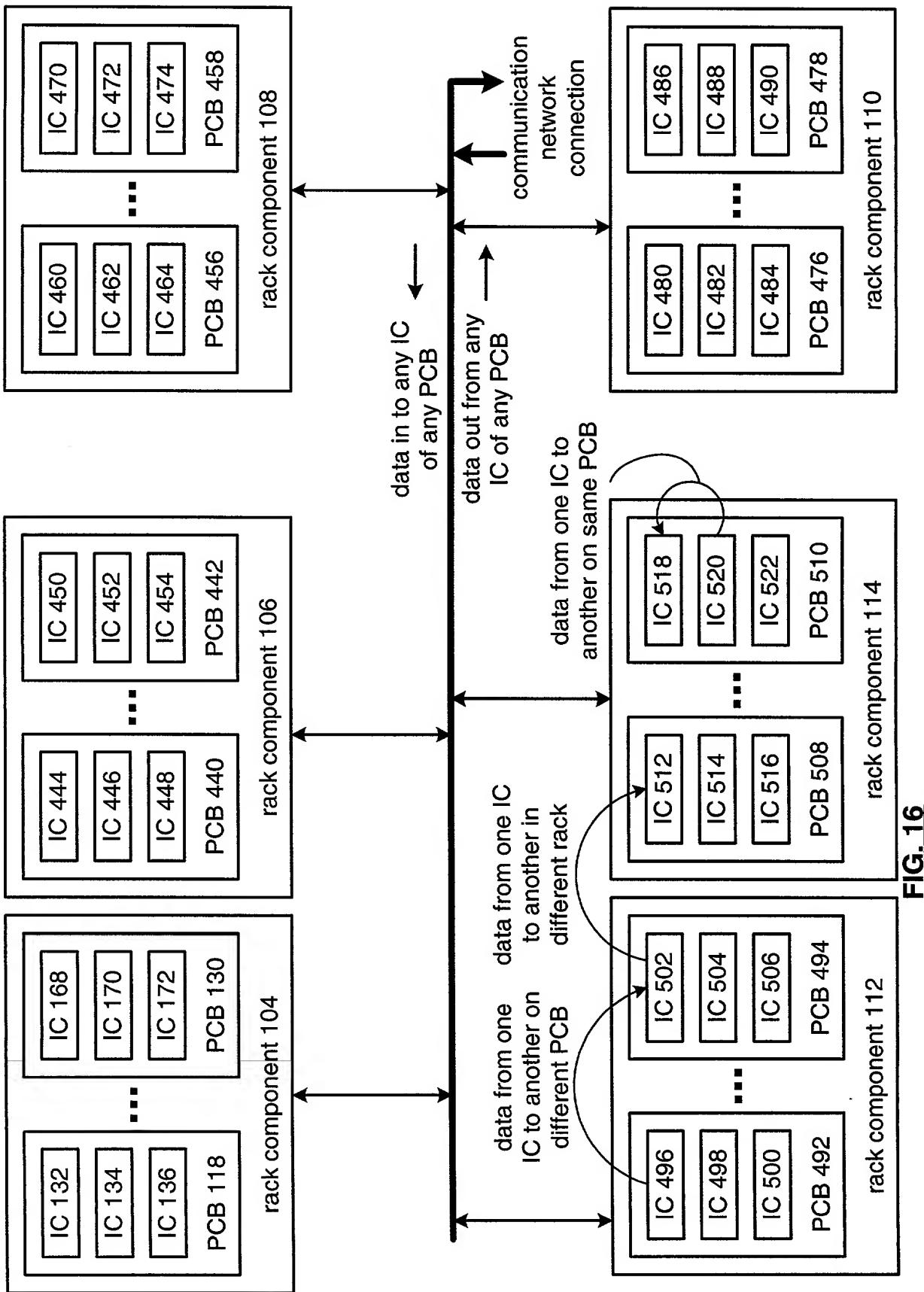
**receive module 228 or 286**



**FIG. 14**



**FIG. 15**

**FIG. 16**

transmission assignments 524		
source	destination	scheme
132-118-104	134-118-104	A
132-118-104	136-118-104	B
132-118-104	x-130-104	C
132-118-104	x-x-106	D
132-118-104	x-x-108	D
132-118-104	x-x-110	E
132-118-104	x-x-112	E
132-118-104	x-x-114	E
⋮	⋮	⋮

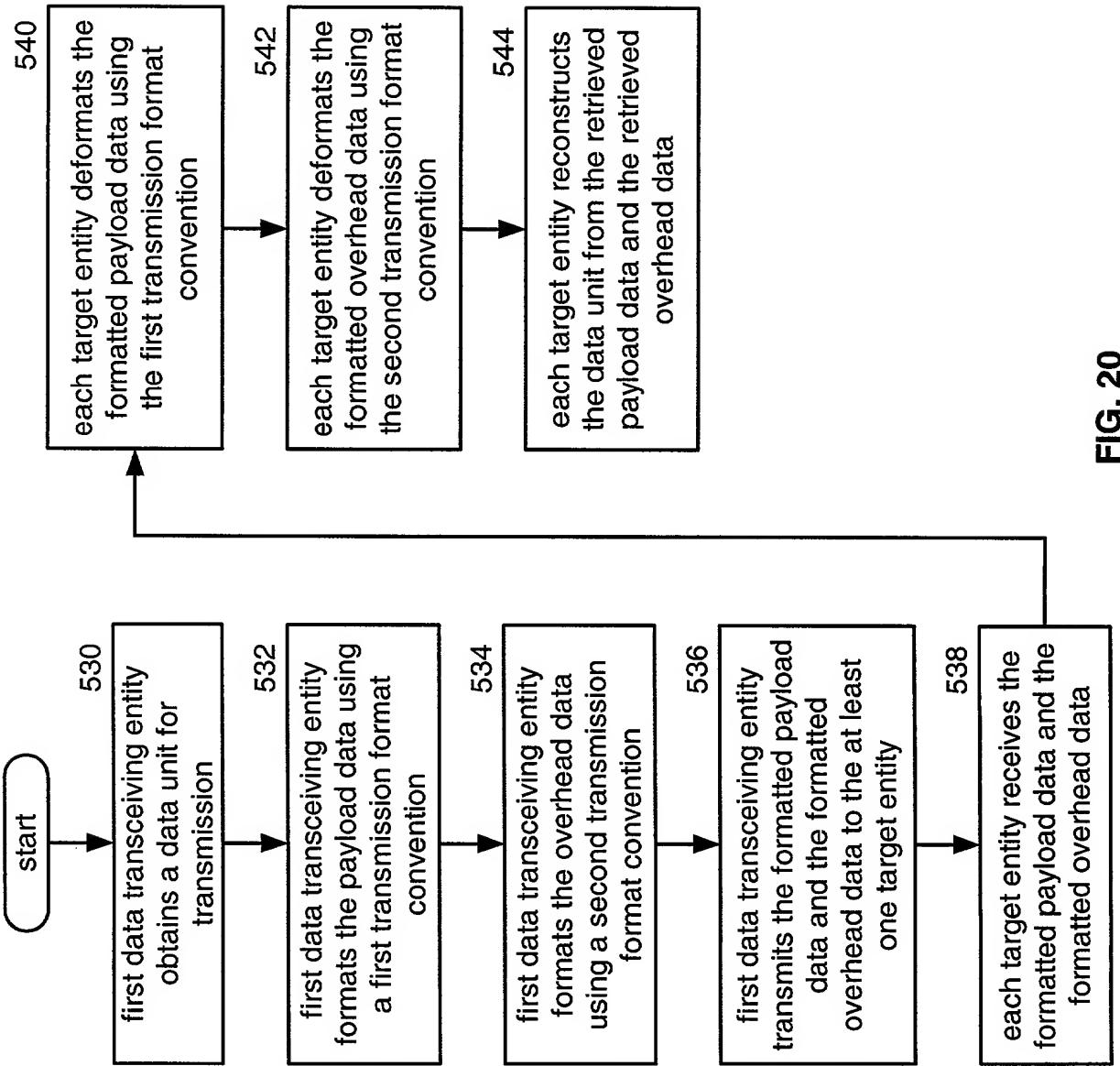
**FIG. 17**

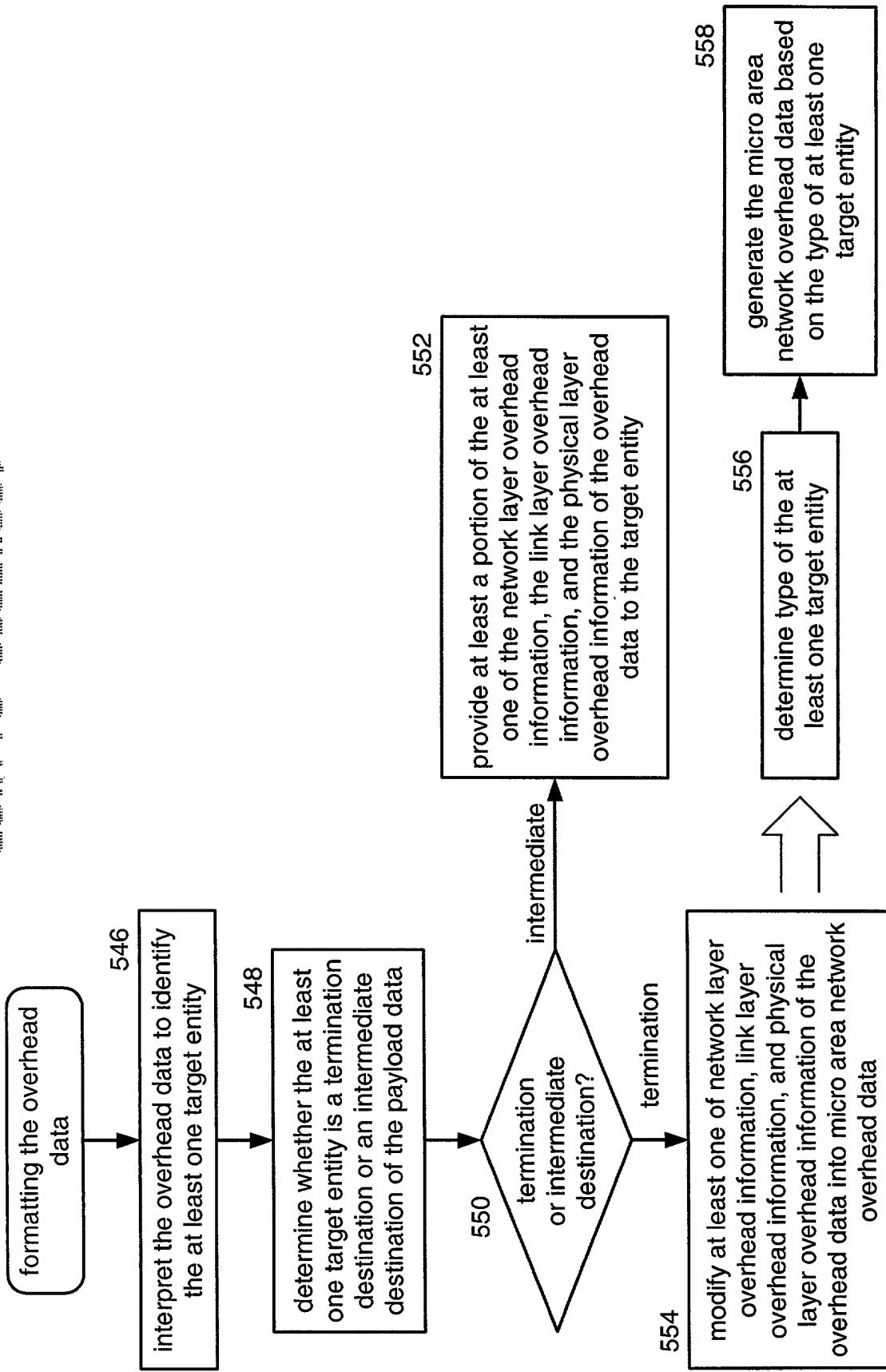
scheme-resource assignment 526		
scheme	resources	encode/mod/S-P
A	1 path	1-0-S
A	2 paths	1-0-P
A	1-OH, 1-PL	2-1-S
⋮	⋮	⋮
B	1 path	2-0-S

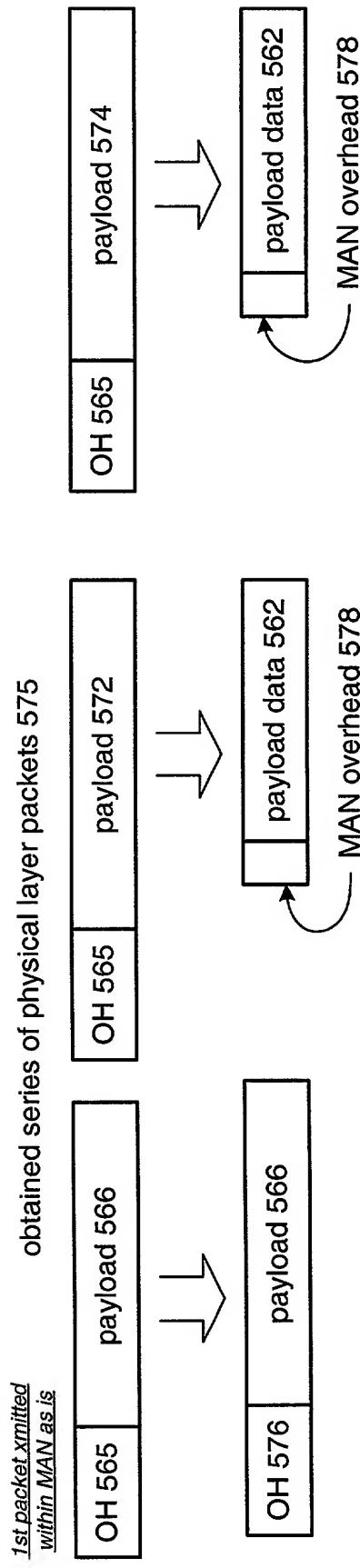
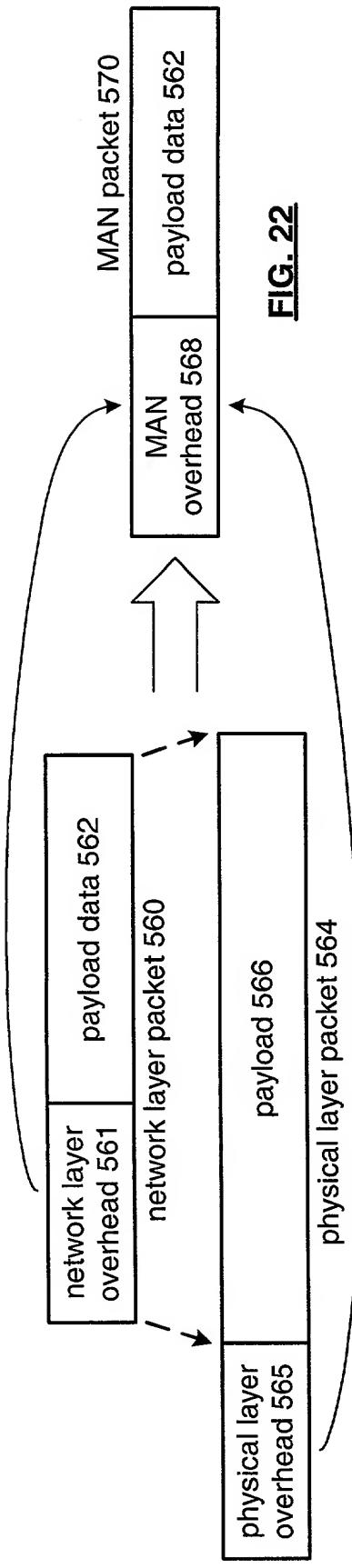
**FIG. 18**

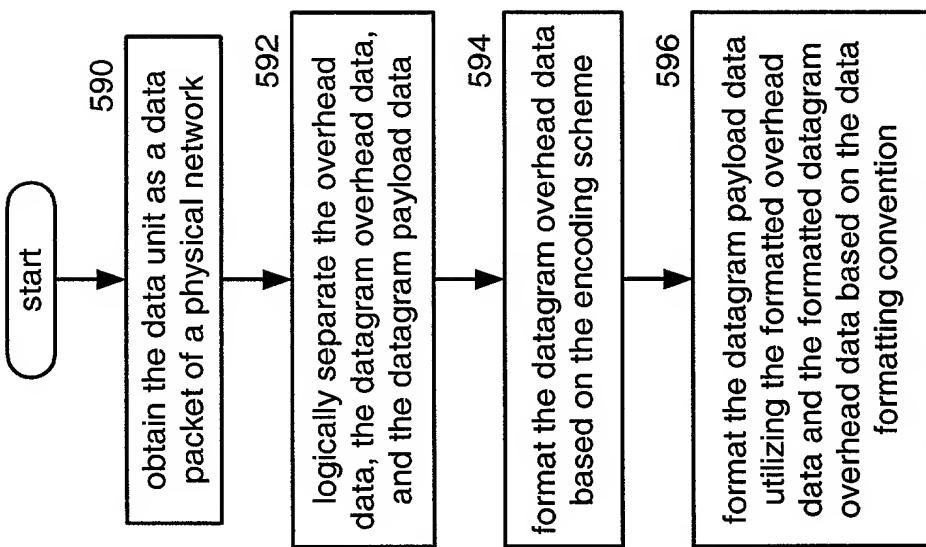
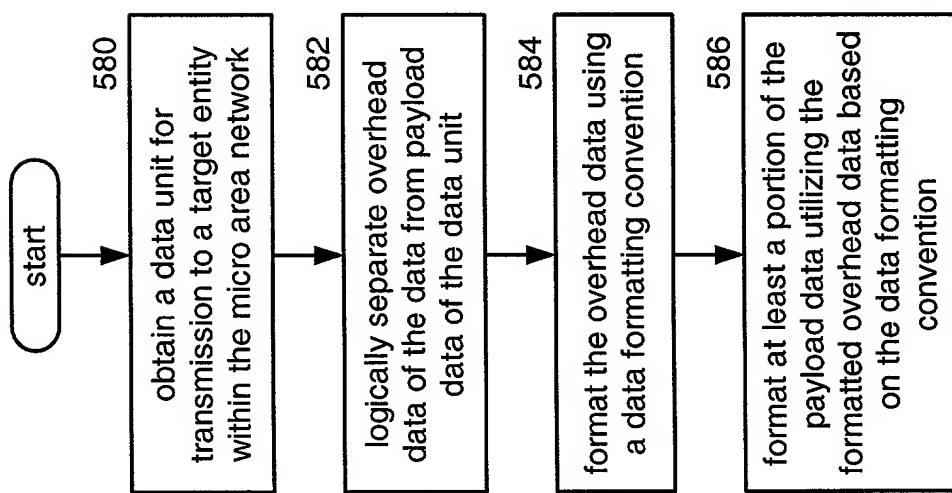
encoding-modulation-serial//parallel table 528				
encode/mod/S-P	OH encoding	payload encoding	OH modulation	payload mod
1-0-S	multi-level	NRZ	none	none
1-0-P	multi-level	NRZ	none	none
2-1-S	multi-level	nB/mB	none	none
0-1-S	none	NRZ	PPM	mix
⋮	⋮	⋮	⋮	⋮

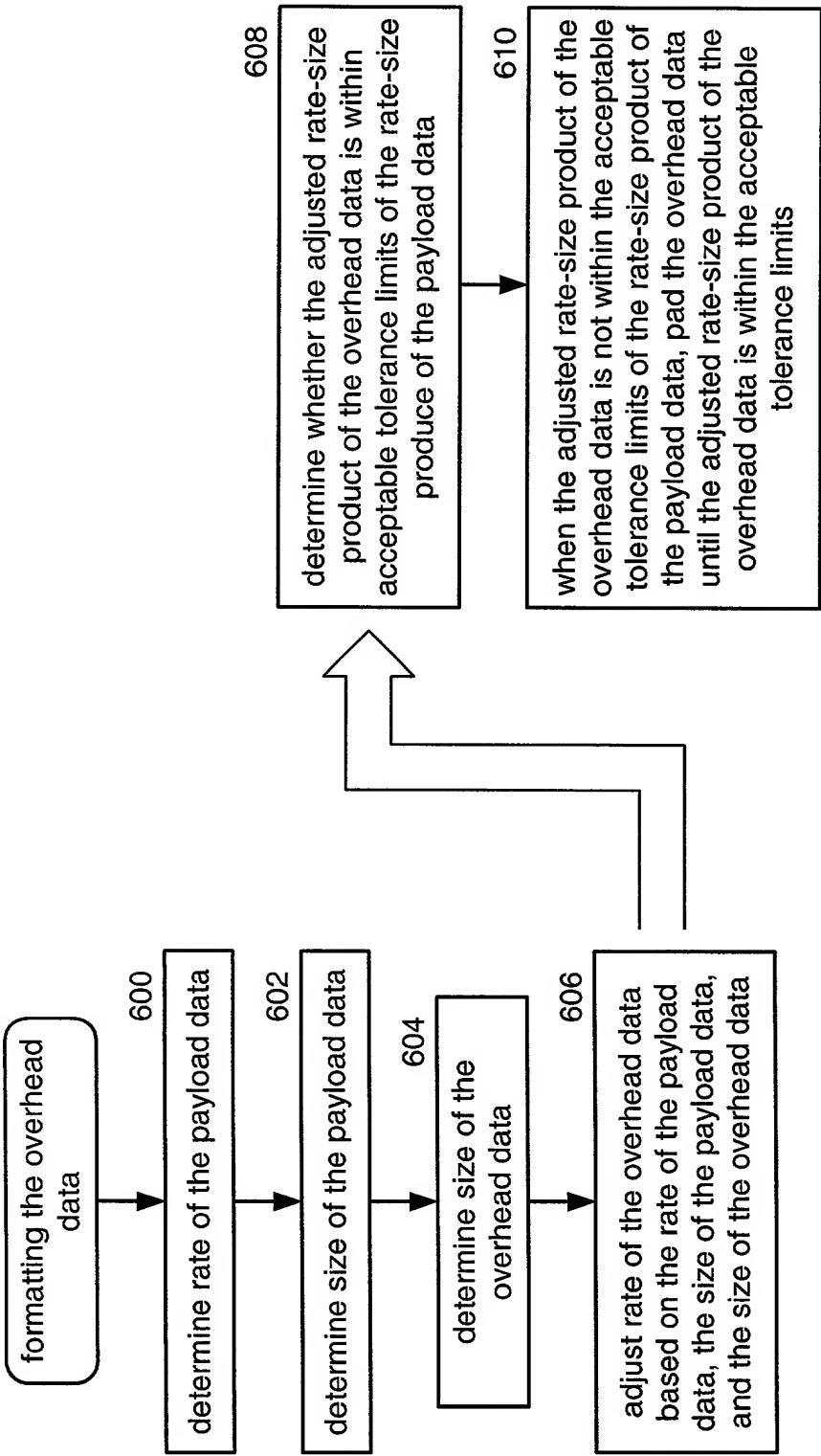
**FIG. 19**

**FIG. 20**

**FIG. 21**







**FIG. 26**

FIG. 27

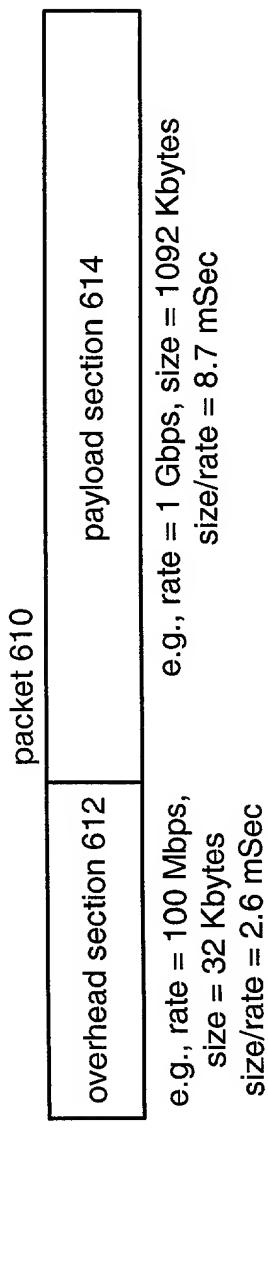


FIG. 28

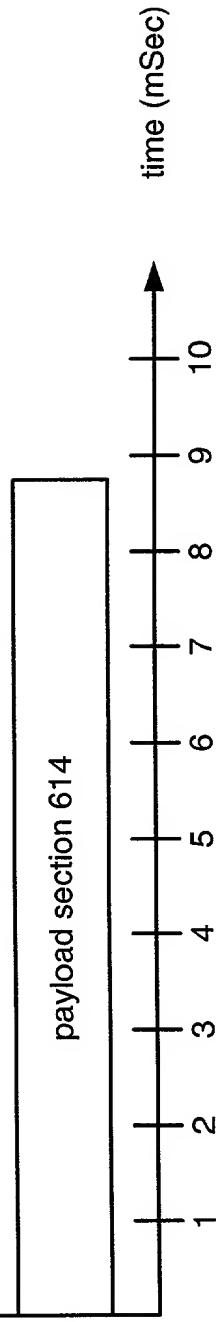
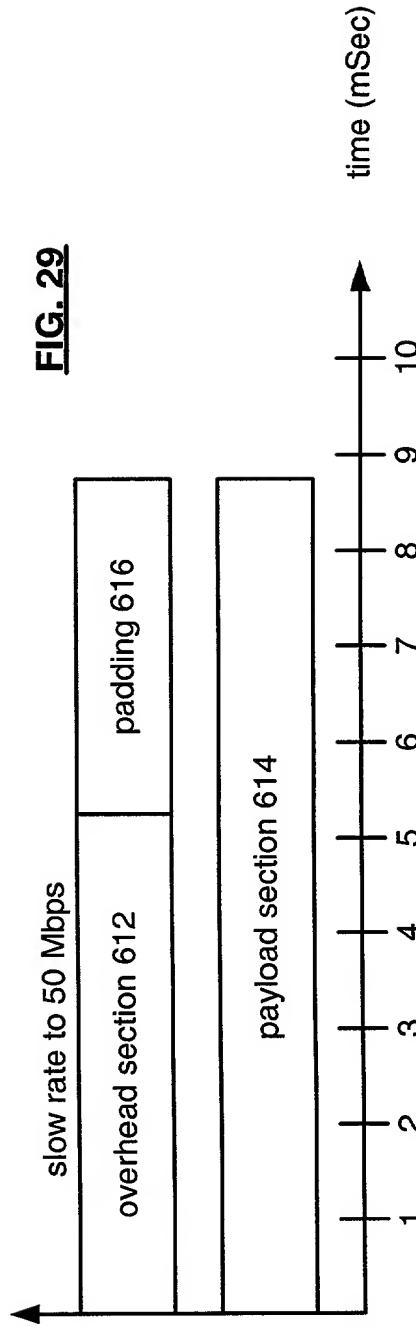
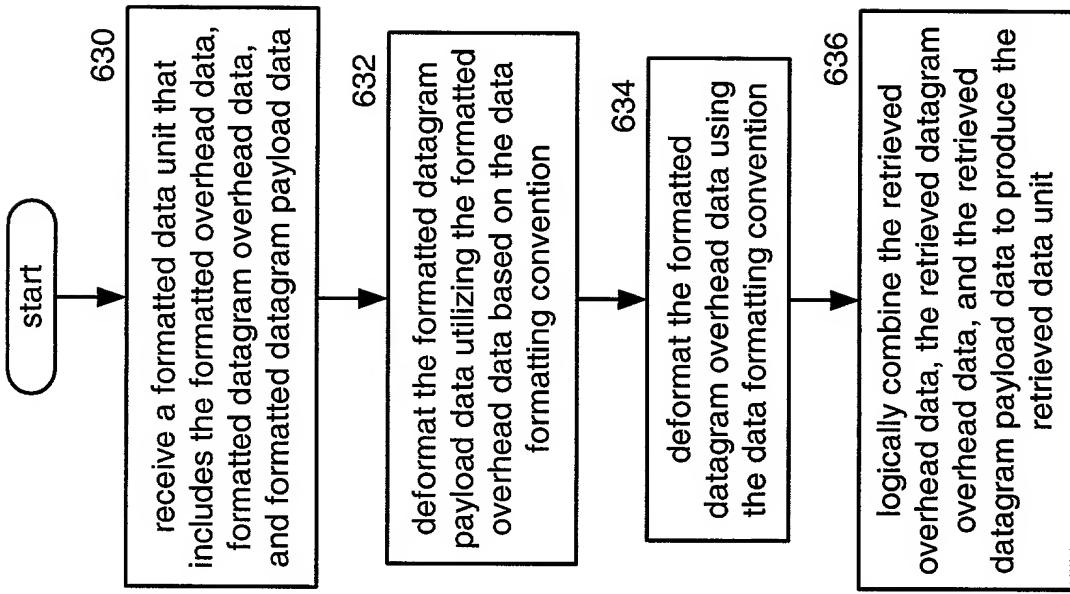
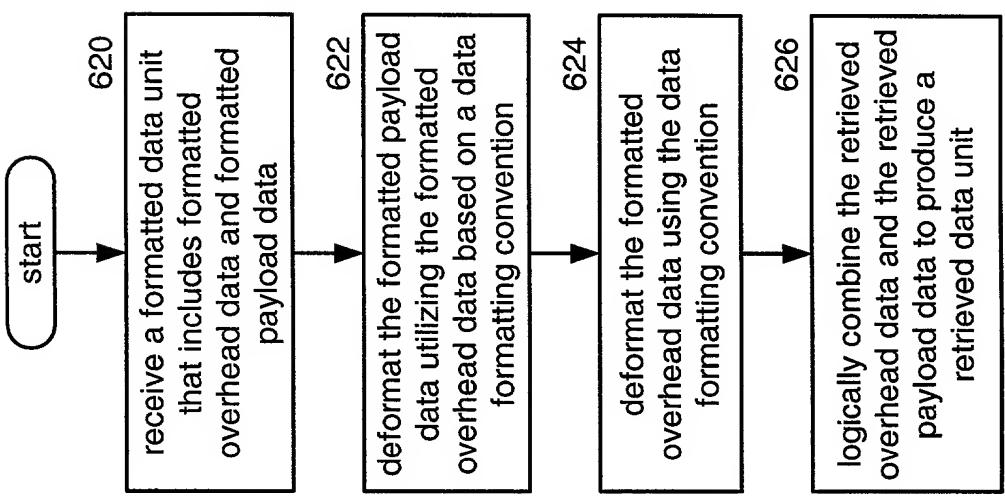
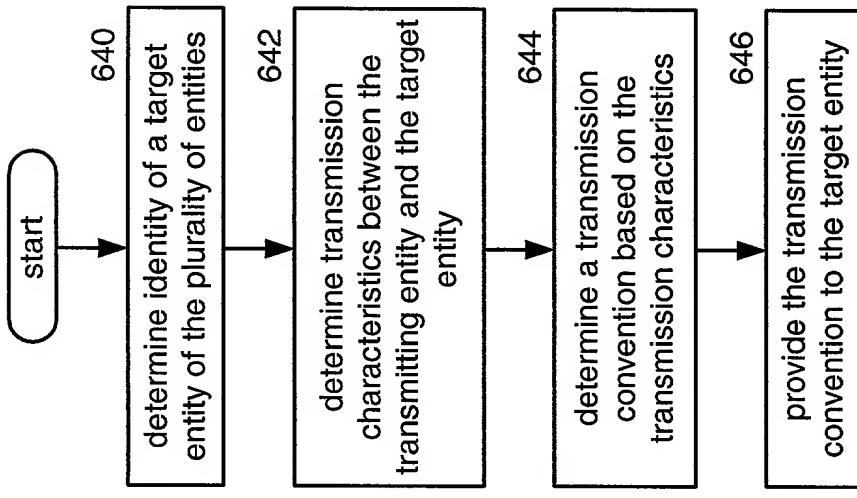


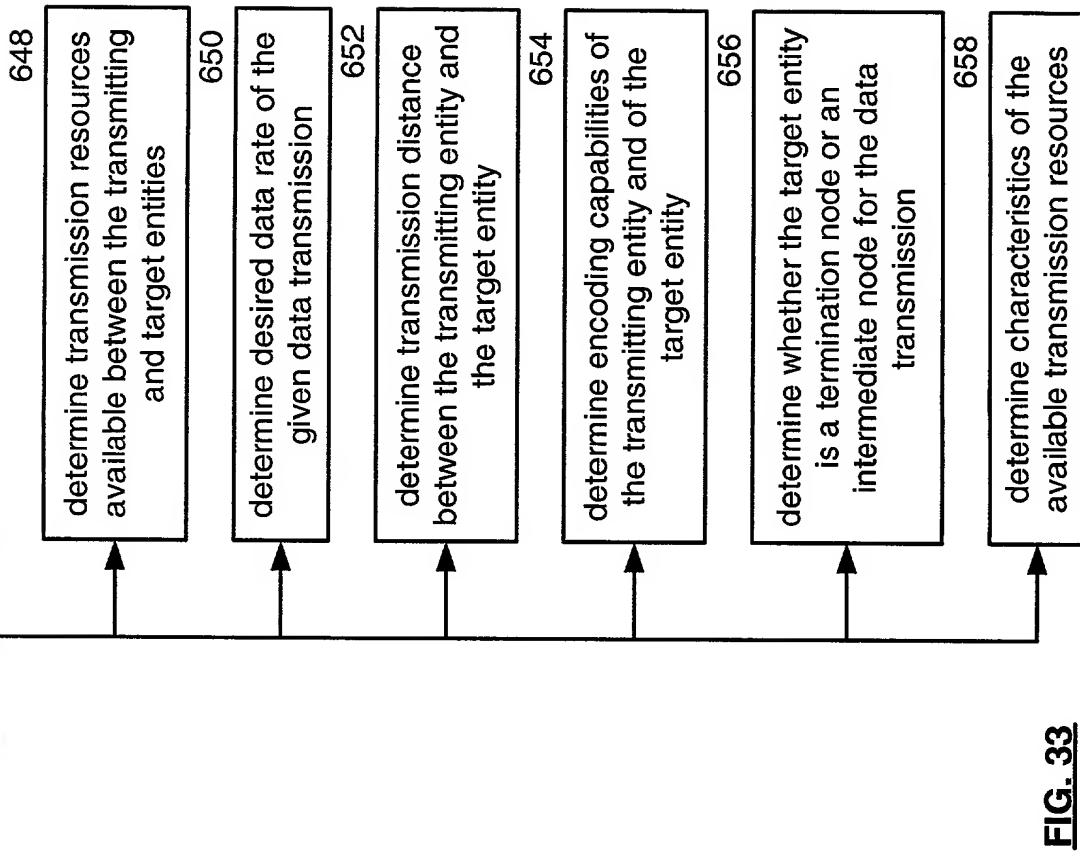
FIG. 29

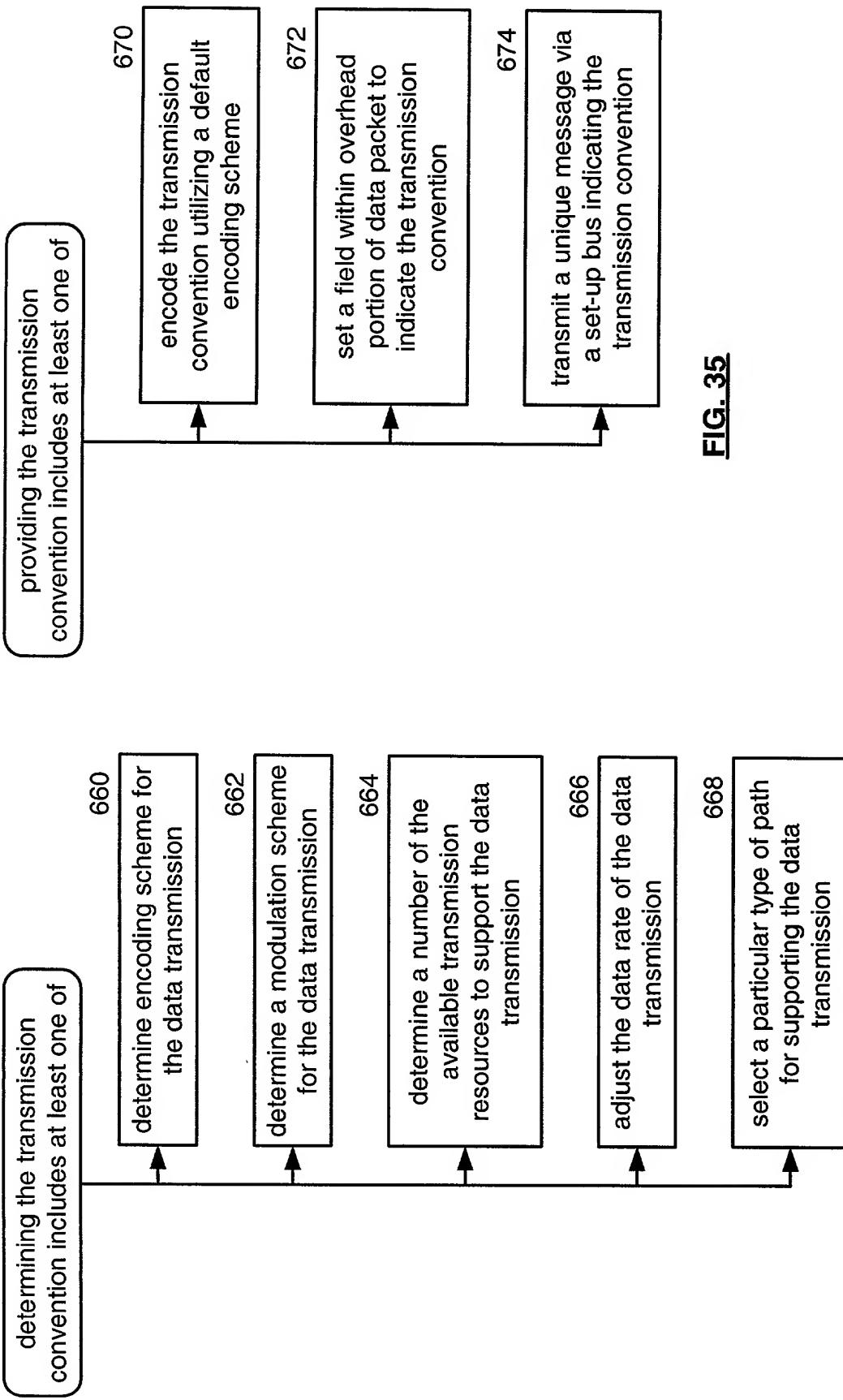




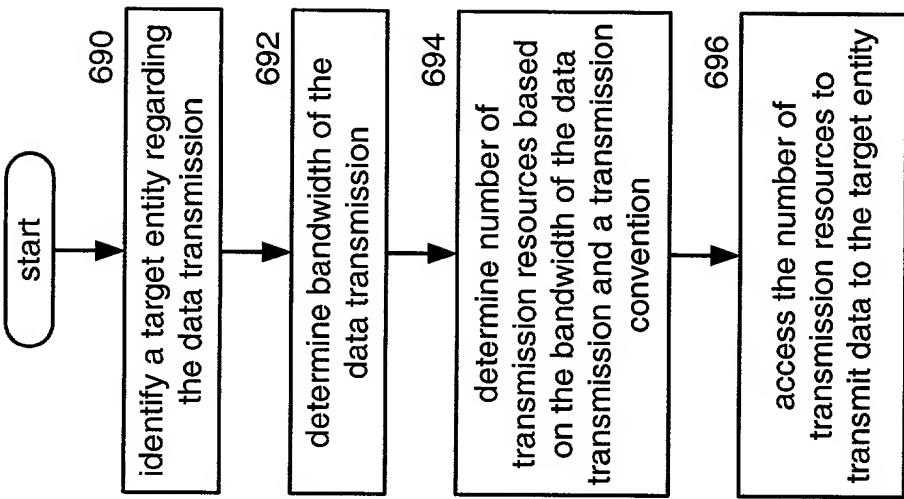
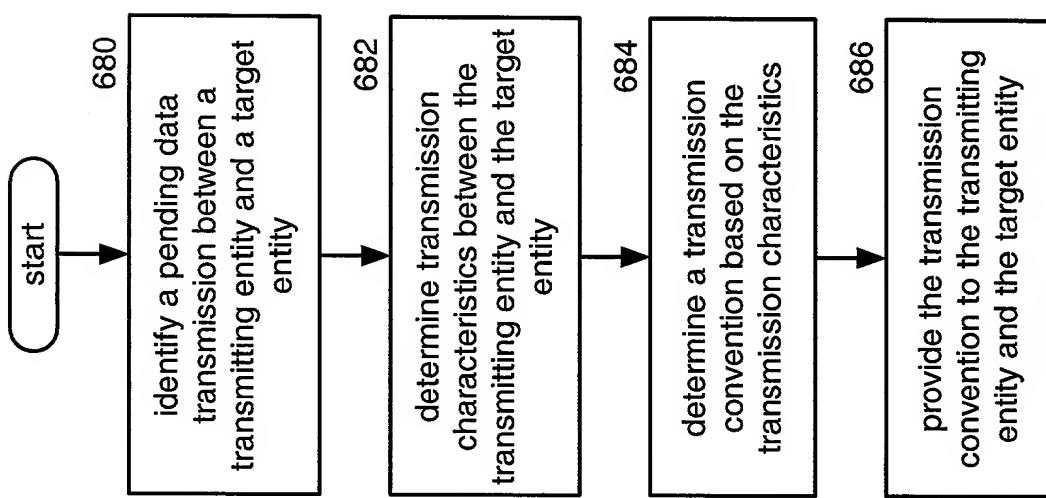


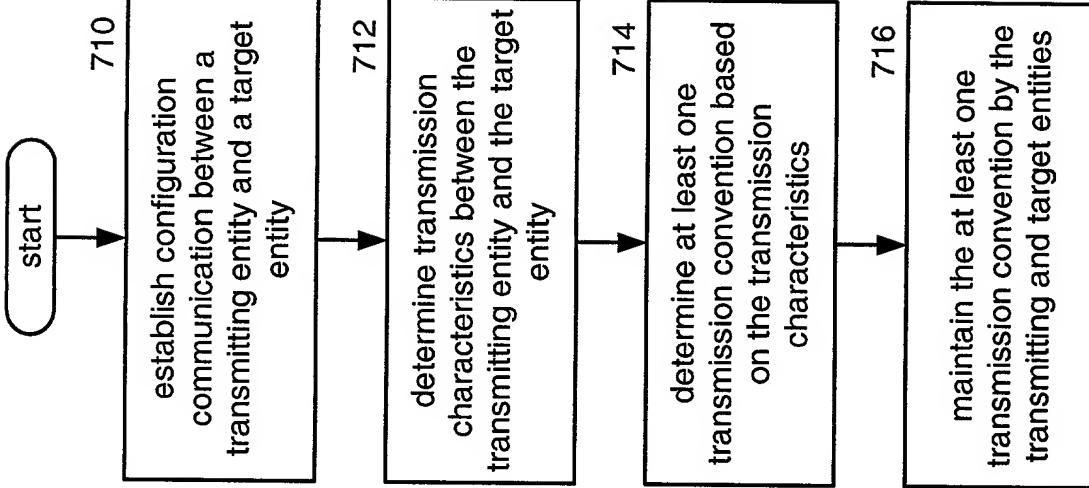
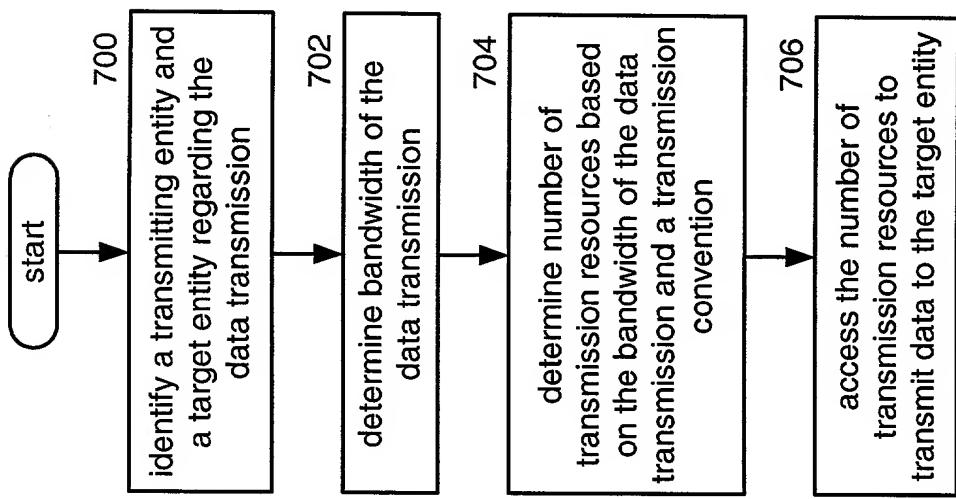
determining the transmission characteristics includes at least one of

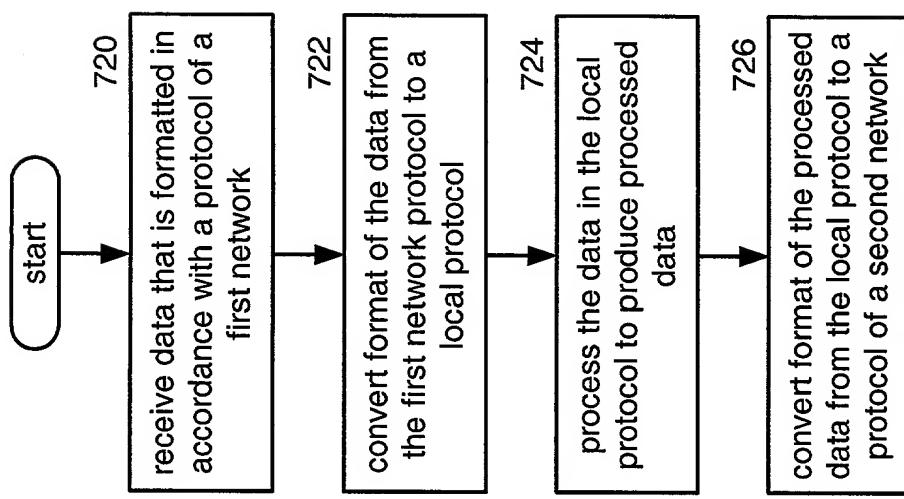




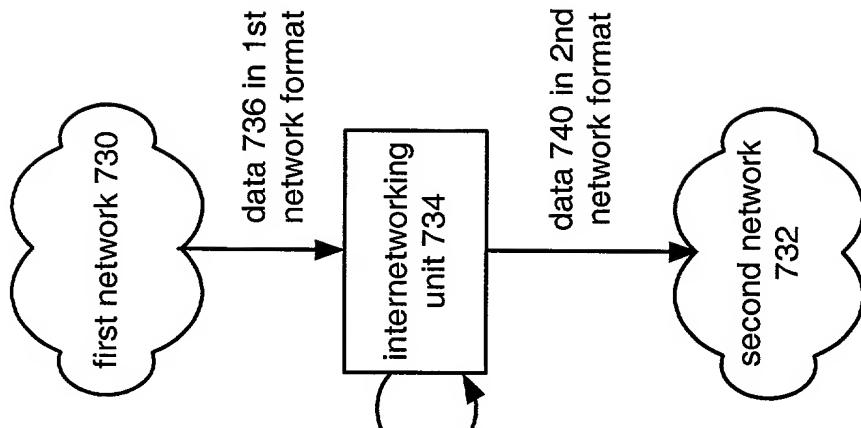
**FIG. 35**







**FIG. 40**



**FIG. 41**